

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

Turlock Irrigation District Gomes Lake

Gomes Lake Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	N
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

Turlock Irrigation District Gomes Lake (cont.)

Lateral No. 6 & 7 Siphon Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	M
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance**Unit Cover Sheet****2018 Pumping Plant Inspection Results****Turlock Irrigation District Gomes Lake**

Pumping Plant
Gomes Lake Pumping Plant

Pumping Plant Rating	A
Date of Inspection	8/6/2018
DWR Inspector	Corey Fujitani
Accompanied By	Matthew Hazen Turlock Irrigation District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/06/2018 08/06/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operating Log			37.481567°	37.481567°
				-121.046617°	-121.046617°
DWR ID	DWR_NA0065_15_t_2012_1				
Action/Comments					
Inspector Comments: An operation log was present at the plant and the log was up to date.					

Photo 1 of 2 : ST_2018_NA0065_15_1_20180810_00018.jpg



View of the operating log. (2018)

LM Start	0.00	Rating **	A	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

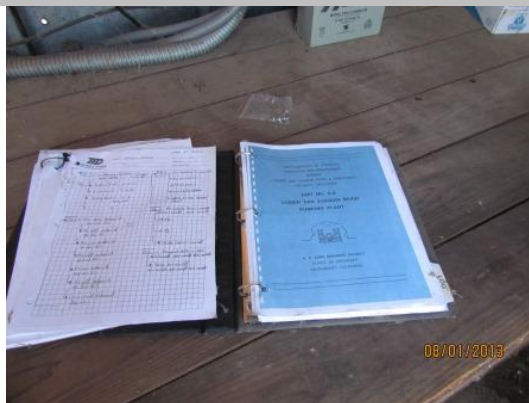
Photo 2 of 2 : ST_2018_NA0065_15_1_20180803_00001.jpg



View of the operating log. (2017)

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_2				
Action/Comments					
Inspector Comments: The O&M manual kept at the office.					

Photo 1 of 1 : ST_2018_NA0065_15_2_20180803_00002.jpg



View of the O&M manual inside the plant.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/06/2018 08/06/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_3				
Action/Comments					
Inspector Comments: The plant building appeared to be in good structural condition with no major visible concrete damage.					

Photo 1 of 1 : ST_2018_NA0065_15_3_20180803_00003.jpg



View of the pumping plant. (2017)

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_4				
Action/Comments					
Inspector Comments: District personnel carries cell phones.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_5				
Action/Comments					
Inspector Comments: No safety hazards observed during the inspection.					

Photo 1 of 1 : ST_2018_NA0065_15_5_20180803_00004.jpg



View of the guard rails around the pumping plant.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/06/2018 08/06/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Cranes			37.481567 °	37.481567 °	
				-121.046617 °	-121.046617 °	
DWR ID	DWR_NA0065_15_t_2012_6					
Action/Comments						
Inspector Comments: No crane was present at this plant.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_7				
Action/Comments					
Inspector Comments: All pumps appear maintained and lubricated. They are periodically tested.					

Photo 1 of 2 : ST_2018_NA0065_15_7_20180810_00019.jpg



Typical view of the pumps at the structure. (2018)

Photo 2 of 2 : ST_2018_NA0065_15_7_20180810_00020.jpg



View of bottom of the pump shaft. (2018)

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

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WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/06/2018 08/06/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Power			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_8				
Action/Comments					
Inspector Comments: Power delivered via the power grid. Appears adequate and reliable.					

Photo 1 of 1 : ST_2018_NA0065_15_8_20180803_00008.jpg



View of the power source at the plant. (2017)

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_10				
Action/Comments					
Inspector Comments: All of the pumps were operational and properly maintained.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_11				
Action/Comments					
Inspector Comments: The pump control system was operational and appeared to be free of any damage or corrosion.					

Photo 1 of 2 : ST_2018_NA0065_15_11_20180810_00021.jpg



View of control panel. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/06/2018 08/06/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	11 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Pump Control Systems			37.481567 °	37.481567 °	
				-121.046617 °	-121.046617 °	
DWR ID	DWR_NA0065_15_t_2012_11					
Action/Comments						
Inspector Comments: The pump control system was operational and appeared to be free of any damage or corrosion.						

Photo 2 of 2 : ST_2018_NA0065_15_11_20180803_00009.jpg



View of the pump control boxes. (2017)

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_12				
Action/Comments					
Inspector Comments: The sump well was clear of excessive debris and other obstructions.					

Photo 1 of 1 : ST_2018_NA0065_15_12_20180810_00022.jpg



View of wet well. (2018)

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_13				
Action/Comments					
Inspector Comments: The trash racks were free of debris and appeared to be maintained properly.					

Photo 1 of 1 : ST_2018_NA0065_15_13_20180810_00023.jpg



View of trash racks. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/06/2018 08/06/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			37.481567°	37.481567°
				-121.046617°	-121.046617°
DWR ID	DWR_NA0065_15_t_2012_14				
Action/Comments					
Inspector Comments: No trash rakes were present at this plant.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_15				
Action/Comments					
Inspector Comments: The slide gates were free of any debris and appeared to be in good working condition.					

Photo 1 of 1 : ST_2018_NA0065_15_15_20180803_00012.jpg



View of the slide gate on the outlet structure. (2017)

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2013_16				
Action/Comments					
Inspector Comments: The electric gate operators were in good working condition.					

Photo 1 of 1 : ST_2018_NA0065_15_16_20180810_00024.jpg



View of electric gate operators. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/06/2018 08/06/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_17				
Action/Comments					
Inspector Comments: No manual gates at this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_18				
Action/Comments					
Inspector Comments: All the other metal parts in the plant appeared to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_19				
Action/Comments					
Inspector Comments: The flap gates appeared to be in good working condition.					

Photo 1 of 1 : ST_2018_NA0065_15_19_20180810_00025.jpg



View of flap gates. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/06/2018 08/06/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure exists at this plant.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_21				
Action/Comments					
Inspector Comments: The security fencing appeared to be in good condition and should provide protection against unauthorized access.					

LM Start	0.00	Rating **	A	Issue No.	21 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 2 : ST_2018_NA0065_15_21_20180803_00015.jpg



View of the steel cage around the pumps on the structure. (2017)

Photo 2 of 2 : ST_2018_NA0065_15_21_20180803_00016.jpg



View of the steel cage inside the plant. (2016)

*** Location**

LS : Land Side
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**** Rating**

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/06/2018 08/06/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_22				
Action/Comments					
Inspector Comments: The intake and discharge pipes appeared to be free of any breaks, holes or cracks.					

Photo 1 of 1 : ST_2018_NA0065_15_22_20180810_00026.jpg



View of intake pipes. (2018)

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
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N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

Turlock Irrigation District Gomes Lake

Structure
Lateral No. 6 & 7 Siphon Structure

Structure Rating	A
Date of Inspection	7/30/2018
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			37.390522°	37.390522°	
				-120.941096°	-120.941096°	
DWR ID	DWR_NA0065_70_t_2017_1					
Action/Comments						
Inspector Comments: This structure is designed to siphon flow diagonally at Mitchell Road and Williams Avenue intersection. During flood flow stage, the control gates upstream of this structure shall be closed, and the flow will be diverted around the end of the project levee.						

Photo 1 of 4 : ST_2018_NA0065_70_1_20180810_00021.jpg



View of inlet of siphon structure at corner of Mitchell Rd and Williams Ave. (2018)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2018_NA0065_70_1_20180803_00002.jpg



View of the outlet of the structure looking from Mitchell Road. (2017)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2018_NA0065_70_1_20180803_00003.jpg



View of the lateral 7 control gate upstream of the siphon structure. (37.394123, -120.940805) (2017)

*** Location**

LS : Land Side
WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			37.390522 °	37.390522 °	
				-120.941096 °	-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_1					
Action/Comments						
Inspector Comments: This structure is designed to siphon flow diagonally at Mitchell Road and Williams Avenue intersection. During flood flow stage, the control gates upstream of this structure shall be closed, and the flow will be diverted around the end of the project levee.						

Photo 4 of 4 : ST_2018_NA0065_70_1_20180803_00004.jpg



View of the lateral 6 control gates upstream of the siphon structure.
(37.406061, -120.940602) (2017)

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_2				
Action/Comments					
Inspector Comments: Moderate vegetation including cat tails was found in channel near all 3 components of this structure and should be managed to prevent degradation of channel capacity.					

Photo 1 of 3 : ST_2018_NA0065_70_2_20180810_00022.jpg



View of vegetation at the outlet of the siphon. (2018)

LM Start	0.00	Rating **	A	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2018_NA0065_70_2_20180810_00023.jpg



View of vegetation upstream of lateral 7 gate. (37.394123, -120.940805)
(2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation & Obstructions			37.390522 °	37.390522 °	
				-120.941096 °	-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_2					
Action/Comments						
Inspector Comments: Moderate vegetation including cat tails was found in channel near all 3 components of this structure and should be managed to prevent degradation of channel capacity.						

Photo 3 of 3 : ST_2018_NA0065_70_2_20180810_00024.jpg



View of vegetation downstream of lateral 7 gate. (37.394123, -120.940805) (2018)

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_3				
Action/Comments					
Inspector Comments: No sedimentation was present during inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_4				
Action/Comments					
Inspector Comments: No erosion was found during the inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			37.390522 °		37.390522 °
				-120.941096 °		-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_5					
Action/Comments						
Inspector Comments: No revetments were present.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.390522 °		37.390522 °
				-120.941096 °		-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_6					
Action/Comments						
Inspector Comments: No encroachments were found on the structure.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_7				
Action/Comments					
Inspector Comments: Inlet and outlet culvert were working fine without significant blockage during the inspection.					

Photo 1 of 4 : ST_2018_NA0065_70_7_20180813_00025.jpg



View of the inlet culvert at the siphon structure. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	7 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Culverts: Inlets / Outlets			37.390522 °	37.390522 °	
				-120.941096 °	-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_7					
Action/Comments						
Inspector Comments: Inlet and outlet culvert were working fine without significant blockage during the inspection.						

Photo 2 of 4 : ST_2018_NA0065_70_7_20180813_00026.jpg



View of the outlet culvert at the siphon structure. (2018)

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2018_NA0065_70_7_20180803_00011.jpg



View of the outlet culvert at the lateral 7 gate. (37.394123, -120.940805) (2017)

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 4 of 4 : ST_2018_NA0065_70_7_20180803_00012.jpg



View of the outlet culvert at the lateral 6 gates. (37.406061, -120.940602) (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Breaks / Holes / Cracks			37.390522 °		37.390522 °
				-120.941096 °		-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_8					
Action/Comments						
Inspector Comments: No significant damage was found at the culverts.						

Photo 1 of 1 : ST_2018_NA0065_70_8_20180803_00013.jpg



View of the inlet culvert at the siphon structure looking west.

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			37.390522 °		37.390522 °
				-120.941096 °		-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_9					
Action/Comments						
Inspector Comments: No metal pipes were present at this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_10				
Action/Comments					
Inspector Comments: This item doesn't exist at this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	37.390522 °		37.390522 °	
		-120.941096 °		-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_11				
Action/Comments					
Inspector Comments: No flap gates were present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Sluice/Slide Gates	37.390522 °		37.390522 °	
		-120.941096 °		-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_12				
Action/Comments					
Inspector Comments: Lateral 6 (37.406061,-120.940602) and lateral 7 (37.394123,-120.940805) control gates divert the water through the siphon structure during flood flow stage. The gasket on the radial gate at lateral 6 has deteriorated and should be replaced.					

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 5 : ST_2018_NA0065_70_12_20180813_00028.jpg



View of the radial gate at lateral 7. (37.394123, -120.940805) (2018)

Photo 2 of 5 : ST_2018_NA0065_70_12_20180813_00027.jpg



View of the slide gate at lateral 7. (37.394123, -120.940805) (2018)

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	12 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Sluice/Slide Gates			37.390522 °	37.390522 °	
				-120.941096 °	-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_12					
Action/Comments						
Inspector Comments: Lateral 6 (37.406061,-120.940602) and lateral 7 (37.394123,-120.940805) control gates divert the water through the siphon structure during flood flow stage. The gasket on the radial gate at lateral 6 has deteriorated and should be replaced.						

Photo 3 of 5 : ST_2018_NA0065_70_12_20180813_00029.jpg



View of the radial gate at lateral 6. (37.406061, -120.940602) (2018)

Photo 4 of 5 : ST_2018_NA0065_70_12_20180813_00031.jpg



View of the slide gates at lateral 6. (37.406061, -120.940602)

Photo 5 of 5 : ST_2018_NA0065_70_12_20180813_00030.jpg



Deteriorated gasket on radial gate at lateral 6 should be replaced. (2018)

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	37.390522 °		37.390522 °	
		-120.941096 °		-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_13				
Action/Comments					
Inspector Comments: No electric gate operators exist at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Manual Gate Operators	37.390522 °		37.390522 °	
		-120.941096 °		-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_14				
Action/Comments					
Inspector Comments: Manual gates at lateral 6 (37.406061,-120.940602) and lateral 7 (37.394123,-120.940805) should be greased for maintenance, but appear to be in working condition.					

LM Start	0.00	Rating **	A	Issue No.	14 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 2 : ST_2018_NA0065_70_14_20180803_00016.jpg



View of the manual gate at lateral 7. (2017)

Photo 2 of 2 : ST_2018_NA0065_70_14_20180803_00017.jpg



View of the manual gates at lateral 6. (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_15				
Action/Comments					
Inspector Comments: No spalling or cracking were found on the concrete surface.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_16				
Action/Comments					
Inspector Comments: No sliding or settlement were found on the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_17				
Action/Comments					
Inspector Comments: No erosion was found near the foundation of the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	37.390522 °		37.390522 °	
		-120.941096 °		-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_18				
Action/Comments					
Inspector Comments: There is no security fencing at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_19				
Action/Comments					
Inspector Comments: This structure doesn't have a closure structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_20				
Action/Comments					
Inspector Comments: This item doesn't apply to this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	37.390522 °		37.390522 °	
		-120.941096 °		-120.941096 °	
DWR ID	DWR_NA0065_70_t_2017_21				
Action/Comments					
Inspector Comments: Metallic components at lateral 6 and 7 turnouts should be painted to prevent further corrosion.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_22				
Action/Comments					
Inspector Comments: There are no monolith joints at this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Safety			37.390522 °		37.390522 °
				-120.941096 °		-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_23					
Action/Comments						
Inspector Comments: Safety railings were in a good condition.						

Photo 1 of 3 : ST_2018_NA0065_70_23_20180803_00018.jpg



View of the wooden rails at the outlet of the structure. (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Lateral No. 6 & 7 Siphon Structure		07/30/2018 07/30/2018	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	23 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Safety			37.390522 °		37.390522 °
				-120.941096 °		-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_23					
Action/Comments						
Inspector Comments: Safety railings were in a good condition.						

Photo 2 of 3 : ST_2018_NA0065_70_23_20180803_00019.jpg



View of the wooden rails at the inlet of the structure. (2017)

Photo 3 of 3 : ST_2018_NA0065_70_23_20180803_00020.jpg



View of the wooden rails at the lateral 6 outlet structure. (37.406061, -120.940602) (2017)

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.390522 °	37.390522 °
				-120.941096 °	-120.941096 °
DWR ID	DWR_NA0065_70_t_2017_24				
Action/Comments					
Inspector Comments: LMA has the O&M manual at their office.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement